

# Power Cost Memorandum Fuel Cost Update

Date: **June 2, 2022**

Utility Name (Cert. No.) <b>(420)</b> <b>Beaver Village Electrical Utilities</b>	Utility File No. <b>PC52-1017U</b>	Date Filed: <b>May 25, 2022</b>
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PCE AMOUNT SUMMARY	Previously Approved PC52-1017T	Staff Recommended Amount(s) and Effective Date PC52-1017U
Class Rate	<u>Date Approved:</u> December 3, 2021	June 3, 2022
Residential	\$0.6267	\$0.6997
Community Facilities	\$0.6267	\$0.7333
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		

Prior Fuel Purchase Price: <u>\$ 4.0042</u>	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	New Fuel Purchase Price: <u>\$ 5.1444</u>	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted
Delivery Charge: _____	Surcharge Change: Previous _____	Updated _____	

Weighted Average Fuel Price/Gal. Calculation					
	<u>Gallons</u>		<u>Price</u>		
On-hand	100	X	4.0042	=	400.42
Delivered	20,242	X	5.1501	=	104,244.81
	<u>20,342</u>				<u>\$ 104,645.23</u>
					Weighted Average
					<u>\$ 5.1444</u>

Signed: Brenda Cox  
Brenda Cox

Utility Financial Analyst

**Commission decision re. this recommendation :**

	Date (if different from 6/2/22)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u>		
Doyle				
Kurber		<u>KK</u>		
Sullivan		<u>AS</u>		
Wilson		<u>JWW</u>		

*Special Instructions to Staff:*

\* If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

# Beaver Village Electric Utilities

## POWER COST EQUALIZATION CALCULATION

For the Test Period Ending: June 30, 2017

### Fuel Cost Update

		PC52-1017T	PC52-1017U
		Prior Commission Approval	Utility Request  Staff Recommended
A.	Total kWh Generated	259,376	259,376
B.	Total kWh Sold (Appendix 2)	251,156	251,156
C.	Total Non-Fuel Costs (Appendix 2)	117,033	117,033
<b>D.</b>	<b>Non-Fuel Cost/kWh (C / B)</b>	<b>\$0.4660</b>	<b>\$0.4660</b>
E.	Total Fuel Costs (Appendix 2)	98,959	127,139
<b>F.</b>	<b>Fuel Costs/kWh (E / B)</b>	<b>\$0.3940</b>	<b>\$0.5062</b>
G.	Eligible Costs/kWh (D + F)	\$0.8600	\$0.9722
H.	Eligible Cost/kWh (G) Less 20.03 cents/kWh	\$0.6597	\$0.7719
I.	Lesser of (H) or 79.97 cents/kWh	\$0.6597	\$0.7719
J.	Average Class Rates (Appendix 3) Residential Community Facilities	\$0.6997 \$0.7997	\$0.6997 \$0.7997
		Class Power Cost Equalization Per kWh Payable	
K.	Lesser of: (I) x 95% or (J) Residential Community Facilities	\$0.6267 \$0.6267	\$0.6997 \$0.7333
L.	Funding Level in Effect	100%	100%
	<b>Residential</b>	<b>\$0.6267</b>	<b>\$0.6997</b>
	<b>Community Facilities</b>	<b>\$0.6267</b>	<b>\$0.7333</b>

PC52-1017U  
Appendix 1

# Beaver Village Electric Utilities

## SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY

For the Test Period Ending: June 30, 2017

### Fuel Cost Update

				PC52-1017T	PC52-1017U	
				Prior Commission Approval	Per Utility	Staff Recommended
<b>Non-Fuel Costs:</b>						
A.	Personnel Costs			76,416	76,416	76,416
B.	Operating Expenses			34,697	34,697	34,697
C.	General & Administrative			6,639	6,639	6,639
D.	Depreciation			5,935	5,935	5,935
E.	Interest Expense			-	-	-
F.	Other (Describe) Fuel income			(6,654)	(6,654)	(6,654)
<b>G.</b>	<b>Total Non-Fuel Costs</b>			<b>\$117,033</b>	<b>\$117,033</b>	<b>\$117,033</b>
<b>Fuel Costs:</b>						
H.	Gallons Consumed for Electric Generation			24,714	24,714	24,714
I.	Wtd. Avg. Price of Fuel			\$4.0042	\$5.1444	\$5.1444
<b>J.</b>	<b>Total Cost of Fuel (H x I)</b>			<b>\$98,959</b>	<b>\$127,139</b>	<b>\$127,139</b>
K.	kWh Generated			259,376	259,376	259,376
L.	kWh Sales			251,156	251,156	251,156
M.	kWh Station Service			40	40	40
N.	Efficiency (K/H)	$\geq$	<u>Standard</u> 10.5	10.50	10.50	10.50
O.	Line Loss	$\leq$	12%	3.15%	3.15%	3.15%
(kWh Generated -(kWh Sales + Station Service))/kWh Sales						
<u>Fuel Purchases:</u>						
	On Hand	100	x	\$4.0042		
	Purchase	20,242	x	\$5.1501		
	<b>TOTAL</b>	<u>20,342</u>				<b>= Average Cost 5.1444</b>

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Appendix 2

## Beaver Village Electrical Utilities

### Calculation of Average Class Rate per kWh

#### Rate Schedule: Residential

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
500	0.9000	0.0000	0.9000	450.00	0.9000	0.6997
500				450.00	0.9000	0.6997
TOTAL (A)						(E)

#### Rate Schedule: Community Facilities

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (5)/(1)	(7) Avg. Rate (\$/kWh) - 0.2003 /kWh
700	1.0000	0.0000	1.0000	700.00	1.0000	0.7997
700				700.00	1.0000	0.7997
TOTAL (A)						(E)

# Beaver Village Electric Utilities

	Date	Gallons	Cost per Gallon	Delivery/ Mark-up per Gallon	Total Cost
Beginning Fuel Inventory		100			
Last Approved Fuel Cost/Gal.			\$ 4.0042		
Beginning Fuel Inventory in Gallons	X	Last Approved Fuel Cost/Gal.	=	Beginning Fuel Inventory Cost	\$ 400.42
Reporting Period Purchases	12/06/21	4,440.1	4.0036		17,776
	01/14/22	2,000.0	4.7446		9,489
	01/26/22	1,600.0	7.9700		12,752
	01/27/22	4,600.4	4.7856		22,016
	03/10/22	4,600.0	5.2656		24,222
	04/04/22	1,000	5.9946		5,995
	04/04/22	2,001	5.9946		11,995
					-
					-
					-
					-
					-
					-
Totals for Reporting Period Purchases on this sheet:		20,242			104,245
Grand Totals (beginning inventory plus purchases)		20,342			\$ 104,645
Total Cost for Reporting Period divided by Total Gallons for Reporting Period =					\$ 5.1501
Grand Total Cost divided by Grand Total Gallons =					\$ 5.1444

Note: Staff included the AK State Fuel Surcharge of \$0.0095/gallon, the LUST of \$0.001, and the Federal Oil Spill Tax of \$0.0021 in the cost of fuel. These costs were included on the invoices listed above however, Beaver did not include them on its PCE fuel report.

Signature: Robert M. Pickett

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